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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/066,264
	Filing Date	1/31/02
	First Named Inventor	Steven Teig, et al.
	Group Art Unit	2825
	Examiner Name	Andrea Liu
Total Number of Pages in This Submission	Attorney Docket Number	SPLX.P0094

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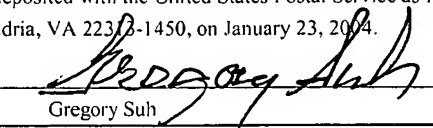
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PATENT
Docket No. SPLX.P0094

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Gregory Suh

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig, et al.

Serial No.: 10/066,264

Filing Date: 1/31/02

For: METHOD AND APPARATUS FOR
SPECIFYING ENCODED SUB-NETWORKS

Examiner: Andrea Liu

Group Art Unit: 2825

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this information
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1449 form for consideration by the Examiner. The Examiner is requested to make these
documents of record. Applicants would appreciate the Examiner initialing and returning the
Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement is submitted: After receipt of a first Office Action
on the merits but before a final Office Action or Notice of Allowance. A fee is required. A fee
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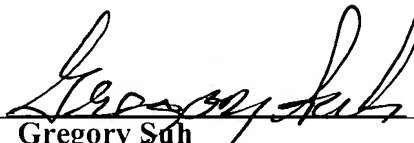
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Dated: January 23, 2004

Respectfully submitted,

By:

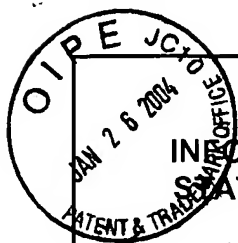

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				Filing Date	1/31/02
				First Named Inventor	Steven Teig, et al.
				Group Art Unit	2825
				Examiner Name	Andrea Liu
				Attorney Docket Number	SPLX.P0094
Sheet	1	of	3		

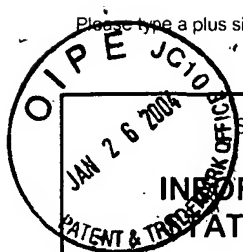
U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2001/0013113	A1	08-09-2001	Matsunaga	
	2.	2002/0157063	A1	10-24-2002	Besson	
	3.	2002/0178432	A1	11-28-2002	Kim et al.	
	4.	2003/0145288	A1	07-31-2003	Wang et al.	
	5.	4,703,435		10-27-1987	Darringer et al.	
	6.	5,003,487		03-26-1991	Drumm et al.	
	7.	5,311,442		05-10-1994	Fukushima	
	8.	5,519,630		05-21-1996	Nishiyama et al.	
	9.	5,521,835		05-28-1996	Trimberger	
	10.	5,526,276		06-11-1996	Cox et al.	
	11.	5,537,330		07-16-1996	Damiano et al.	
	12.	5,537,341		07-16-1996	Rose et al.	
	13.	5,610,829		03-11-1997	Trimberger	
	14.	5,696,974		12-09-1997	Agrawal et al.	
	15.	5,752,000		05-12-1998	McGeer et al.	
	16.	5,754,441		05-19-1998	Tokunoh et al.	
	17.	5,787,010		07-28-1998	Schaefer et al.	
	18.	5,892,678		04-06-1999	Tokunoh et al.	
	19.	5,903,466		05-11-1999	Beausang et al.	
	20.	5,991,524		11-23-1999	Belkhale et al.	
	21.	6,023,566		02-08-2000	Belkhale et al.	

Examiner Signature	Date Considered
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				Filing Date	1/31/02
				First Named Inventor	Steven Teig, et al.
				Group Art Unit	2825
				Examiner Name	Andrea Liu
Sheet	2	of	3	Attorney Docket Number	SPLX.P0094

U.S. PATENT DOCUMENTS						
22.	6,035,107		03-07-2000	Kuehlmann et al.		
23.	6,080,204		06-27-2000	Mendel		
24.	6,086,626		07-11-2000	Jain et al.		
25.	6,298,472	B1	10-02-2001	Phillips et al.		
26.	6,301,696	B1	10-09-2001	Lien et al.		
27.	6,311,317	B1	10-30-2001	Khoche et al.		
28.	6,334,205	B1	12-25-2001	Lyer et al.		
29.	6,336,208	B1	01-01-2002	Mohan et al.		
30.	6,389,586	B1	05-14-2002	McElvain		
31.	6,397,170	B1	05-28-2002	Dean et al.		
32.	6,421,818	B1	07-16-2002	Dupenloup et al.		
33.	6,446,240	B1	09-03-2002	Lyer et al.		
34.	6,453,447	B1	09-17-2002	Gardner et al.		
35.	6,470,478	B1	10-22-2002	Bargh et al.		
36.	6,470,486	B1	10-22-2002	Knapp		
37.	6,473,884	B1	10-29-2002	Ganai et al.		
38.	6,490,717	B1	12-03-2002	Pedersen et al.		
39.	6,496,972	B1	12-17-2002	Segal		
40.	6,519,609	B1	02-11-2003	Touzet		
41.	6,523,156	B2	02-18-2003	Cirit		
42.	6,539,536	B1	03-25-2003	Singh et al.		
43.	6,543,037	B1	04-01-2003	Limquenco et al.		
44.	6,546,539	B1	04-08-2003	Lu et al.		

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				Group Art Unit	2825
				Examiner Name	Andrea Liu
Sheet	3	of	3	Attorney Docket Number	SPLX.P0094

U.S. PATENT DOCUMENTS

45.	6,546,541	B1	04-08-2003	Petranovic et al.	
46.	6,574,779	B2	06-03-2003	Allen et al.	
47.	6,618,835	B1	09-09-2003	Garlapati et al.	

NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	48.	NN78055443, "Automatic Remap", IBM Technical Disclosure Bulletin, Vol. 20, No. 12, May 1978, pp. 5443-5445 (5 pages).	
	49.	NN9411291, "Design of Portable Library using Parameterized Cells", IBM Technical Disclosure Bulletin, Vol. 37, No. 11, pp. 291-292 (4 pages)	
	50.	Crastes, M. et al., A Technology Mapping Method Based on Perfect and Semi-Perfect Matchings, Design Automation Conference, 1991, 28 th ACM/IEEE, June 17-21, 1991, pp 93-98.	
	51.	Devadas, S. et al., Synthesis and Optimization for robustly delay-fault testable combinational logic circuits, Design Automation Conference, 1990, 27 th ACM/IEEE, June 24-28, 1990, pp. 221-227.	
	52.	Markovic et al., "FPGA to ASIC Conversion Design Methodology with the Support for Fast Retargeting to Different CMOS Implementation Technologies", Proceedings of 2002 22 nd International Conference on Microelectronics, Vol. 2, 14 May 2000, pp. 703-706.	
	53.	Ruiz et al., "Design and Prototyping of DSP Custom Circuits Based on a Library of Arithmetic Components", Vol. 1, 9 November 1997, pp. 191-196.	
	54.	Tamiya, Y., "Delay Estimation for Technology Independent Synthesis", 1997 Proceedings of the ASP-DAC '97, Asia and South Pacific Design Automation Conference, 28 January 1997, pp. 31-36.	
	55.	Yi J. H. et al., Technology Mapping for Storage Elements Based on BDD matching, Proceedings of the 40 th Midwest Symposium on Circuits and Systems, pp. 1099-1102, Vol. 2, August 1997.	

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